

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6323781	well	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L2	99329	logging	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L3	64591	borehole	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L4	219121	ANN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L5	7227	artificial near2 neural near2 network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L6	13849	chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L7	19175	Oklahoma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L8	1802	dip adj angle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L9	1	L1 and L2 and L3 and L4 and L5 and L6 and L7 and L8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03

L10	9	((("5444619") or ("5862513") or ("5300770") or ("5345077") or ("6044325") or ("5828981") or ("5251286") or ("5883515") or ("6219619"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/08/11 08:03
L11	9	L10 and (L1 or L2 or L3 or L4 or L5 or L6 or L7 or L8)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L12	4	L10 and neur\$2 not L5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L13	86903	borehole or wellbore	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L14	128580	(L13 or L1) with log\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L15	339	Oklahoma with (formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L16	216	chirp with (formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L17	1314	neur\$2 same L14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L18	1	L15 same L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L19	1	L16 same L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03

L20	2	L17 and (L15 or L16)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L21	3	neur\$2 same (L15 or L16)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L22	7	L14 same L15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L23	1	L14 same L16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L24	158	706/928-929,22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L25	10	L17 and L24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L26	17	(US-5251286-\$ or US-5184079-\$ or US-5008845-\$ or US-5300770-\$ or US-6044325-\$ or US-6219619-\$ or US-5862513-\$ or US-5345077-\$ or US-5444619-\$ or US-5883515-\$ or US-5828981-\$ or US-5684693-\$ or US-5536938-\$ or US-6789620-\$ or US-5940777-\$ or US-6381542-\$ or US-6374185-\$).did. or (US-3311875-\$).did.	USPAT; USOCR	OR	ON	2010/08/11 08:03
L27	5	L26 and (Oklahoma or chirp)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L28	4	L27 and (parameter or contrast or layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03

L29	11	L26 and earth	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L30	8	L29 and synth\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L31	17	(US-5251286-\$ or US-5184079-\$ or US-5008845-\$ or US-5300770-\$ or US-6044325-\$ or US-6219619-\$ or US-5862513-\$ or US-5345077-\$ or US-5444619-\$ or US-5883515-\$ or US-5828981-\$ or US-5684693-\$ or US-5536938-\$ or US-6789620-\$ or US-5940777-\$ or US-6381542-\$ or US-6374185-\$).did. or (US-3311875-\$).did.	USPAT; USOCR	OR	ON	2010/08/11 08:03
L32	8	chirp same layer same contrast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L33	11	Oklahoma same layer same contrast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L34	1	L32 and L33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L35	18	L32 or L33 not L34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L36	1964	702/6-7,9,11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L37	8	L36 and chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03

L38	67	L36 and Oklahoma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L39	3	L37 and L38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L40	5	L37 not L39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L41	20	(US-6789620-\$ or US-6381542-\$ or US-6374185-\$ or US-6219619-\$ or US-6044325-\$ or US-5828981-\$ or US-5940777-\$ or US-5883515-\$ or US-5862513-\$ or US-5345077-\$ or US-5684693-\$ or US-5536938-\$ or US-5444619-\$ or US-5300770-\$ or US-5251286-\$ or US-5184079-\$ or US-5008845-\$ or US-5867806-\$ or US-5210691-\$ or US-6606565-\$ or US-6304086-\$).did. or (US-3311875-\$). did.	USPAT; USOCR	OR	ON	2010/08/11 08:03
L42	18	L41 and (depth or deep)	USPAT; USOCR	OR	ON	2010/08/11 08:03
L43	16	L41 and ((averag\$3 or mean or combin\$3)	USPAT; USOCR	OR	ON	2010/08/11 08:03
L44	16	L42 and L43	USPAT; USOCR	OR	ON	2010/08/11 08:03
L45	10	L41 and ((averag\$3 or mean or combin\$3) same (deep or depth))	USPAT; USOCR	OR	ON	2010/08/11 08:03
L46	12	L41 and neur\$3	USPAT; USOCR	OR	ON	2010/08/11 08:03

L47	20	(US-6219619-\$ or US-5862513-\$ or US-6044325-\$ or US-5883515-\$ or US-5828981-\$ or US-5444619-\$ or US-5251286-\$ or US-5345077-\$ or US-5300770-\$ or US-6374185-\$ or US-5867806-\$ or US-5184079-\$ or US-5684693-\$ or US-5008845-\$ or US-5940777-\$ or US-5536938-\$ or US-6381542-\$ or US-6606565-\$ or US-6304086-\$ or US-5210691-\$).did. or (US-3311875-\$).did.	USPAT; USOCR	OR	ON	2010/08/11 08:03
L48	2	L47 and ((realistic or sensitivity or resolution) with (limit or range))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L49	12	L47 and (realistic or sensitivity or resolution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L50	19	L47 and (limit or range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L51	1	L47 and ((realistic or sensitivity or resolution) with (bound))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L52	19	L47 and (limit or range or bound)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L53	20	L47 and ((limit\$4 or rang\$4 or bound\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L54	10	L47 and ((limit\$4 or rang\$4 or bound\$4) same (real\$7 or resol\$6 or sensit\$7))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L55	20	L47 and ((limit\$4 or rang\$4 or bound\$4 or real\$7 or resol\$6 or sensit\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03

L56	18	L47 and (deep or depth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L57	2	"5862513".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L58	1	L57 and L56 and (input or output or sample)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L59	1	L58 and (log\$4 or tool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L60	18	L47 and generat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L61	16	L47 and (generat\$5 with (formation or model))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L62	12	L47 and synth\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L63	10	L61 and L62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L64	19	L47 and (combin\$5 or composite or averag\$5 or sum\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L65	13	L47 and ((combin\$5 or composite or averag\$5 or sum\$5) same log\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L66	933	((combin\$5 with log\$4) or (((averag\$5 or sum\$4) with output) same log\$4)) same (composite with log\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03

L67	40929	earth with (parameter or formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L68	20	L66 and L67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L69	23	(US-6219619-\$ or US-5862513-\$ or US-6044325-\$ or US-5883515-\$ or US-5828981-\$ or US-5444619-\$ or US-5251286-\$ or US-5345077-\$ or US-5300770-\$ or US-6374185-\$ or US-5867806-\$ or US-5184079-\$ or US-5684693-\$ or US-5008845-\$ or US-5940777-\$ or US-5536938-\$ or US-6381542-\$ or US-6606565-\$ or US-6304086-\$ or US-5210691-\$ or US-3954006-\$ or US-3784828-\$).did. or (US-3311875-\$ or US-2836359-\$).did.	USPAT; USOCR	OR	ON	2010/08/11 08:03
L70	6	L69 and (transmit\$5 same receiv\$4 same pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L71	11	L69 and transmit\$5 and receiv\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L72	150718	transmit\$5 same receiv\$4 same pair	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L73	482	log\$4 same synthetic same response	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L74	6	L72 same L73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03



L75	222733	log\$4 same response	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L76	1461	L72 same L75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L77	24	L76 and neur\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L78	1	each with depth with point	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L79	233	each with (depth or point)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L80	86903	borehole or wellbore	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L81	1	L79 same L80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L82	368436	(combin\$5 or composite or averag\$5 or sum\$4) same log\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L83	45399	L82 same (deep or depth or point)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L84	1433	L83 same L80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L85	27	L84 and neur\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03

L86	337	L84 same (deep or depth) same point	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L87	7	L85 and L86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L88	88734	in\$1phase or (in adj phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L89	129318	quadrature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L90	23	(US-6606565-\$ or US-6381542-\$ or US-6374185-\$ or US-6219619-\$ or US-6304086-\$ or US-6044325-\$ or US-5883515-\$ or US-5940777-\$ or US-5867806-\$ or US-5862513-\$ or US-5829981-\$ or US-5684693-\$ or US-5536938-\$ or US-5345077-\$ or US-5444619-\$ or US-5300770-\$ or US-5210691-\$ or US-5251286-\$ or US-5184079-\$ or US-5008845-\$ or US-3954006-\$ or US-3784828-\$).did. or (US-3311875-\$ or US-2836359-\$).did.	USPAT; USOCR	OR	ON	2010/08/11 08:03
L91	3	L90 and L89 and L88	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L92	3	L91 and induction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L93	3	L90 and (L88 same L89 same induction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03

L94	10	L90 and induction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L95	4	L84 and L90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L96	339	Oklahoma with (formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L97	216	chirp with (formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L98	2	L97 same (layer with thick \$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L99	1	L97 same (parameter with contrast)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L100	1	L97 same (tool with range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L101	2	L98 or L99 or L100	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L102	1	L96 same (layer with thick \$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L103	1	L96 same (parameter with contrast)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L104	1	L96 same (tool with range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03

L105	1	L102 or L103 or L104	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L106	2	L101 or L105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L107	1094792	layer with thick\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L108	17737	parameter with contrast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L109	42983	tool with range	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L110	1	L107 same L108 same L109	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L111	2031	702/6-7,9-11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L112	999	367/81-83,86,69.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L113	660	703/10.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L114	27	L96 and (L111 or L112 or L113)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L115	1	L97 and (L111 or L112 or L113)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03

L116	59894	ma.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L117	6	L116 and (L111 or L112 or L113)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L118	161	ferris-fred.xp. or ferris-fred.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L119	401	jones-hugh.xp. or jones-hugh.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L120	3	(L118 or L119) and drill and simulator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L121	1735	ferris.xp. or ferris.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L122	23757	jones.xp. or jones.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L123	4	(L121 or L122) and drill and simulator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L124	83	(L121 or L122) and drill\$5 and simulat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L125	6	L124 and ma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L126	18	(L121 or L122) and L116	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03

L127	2	"5867806".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L128	1	L127 and Oklahoma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L129	1	L127 and chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L130	147	(induction with logging) same sensitivity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L131	3	(induction with logging) same (sensitivity with minimum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L132	1	L130 same chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L133	23	(US-6219619-\$ or US- 6044325-\$ or US-5883515-\$ or US-5828981-\$ or US- 5862513-\$ or US-5300770-\$ or US-5444619-\$ or US- 5345077-\$ or US-5251286-\$ or US-5184079-\$ or US- 5008845-\$ or US-6606565-\$ or US-3954006-\$ or US- 3784828-\$ or US-5684693-\$ or US-5536938-\$ or US- 5940777-\$ or US-6381542-\$ or US-6374185-\$ or US- 5867806-\$ or US-6304086-\$ or US-5210691-\$).did. or (US-2836359-\$ or US- 3311875-\$).did.	USPAT; USOCR	OR	ON	2010/08/11 08:03
L134	2	L133 and ("10:1" or "100:1" or "10,000:1" or "10000:1")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03

L135	3	L133 and (contrast with("1" or "10" or "100" or "10000" or "10,000"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L136	2788	("10:1" or "100:1" or ("10" or "100") adj to adj "1")) same contrast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L137	3520	L111 or L112 or L113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L138	4	L136 and L137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L139	2	"5862513".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L140	86903	borehole or wellbore	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L141	25	L140 and ((moving rolling) with average with depth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L142	17	L141 and (@pd<"20001219" @ad<"20001219")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L143	3	"3954006".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L144	1	L143 and (combin\$4 same (depth interval))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L145	1	L143 and (average mean)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03

L146	192	Oklahoma with model	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L147	167	chirp with model	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L148	1	L146 and L147	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L149	339	Oklahoma with (model formation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L150	216	chirp with (model formation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L151	553	L149 L150	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L152	2	L149 and L150	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L153	5	(neur\$4 ANN) same L151	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L154	358	166/254 2.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L155	158	706/928-929,22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L156	1964	702/6-7,9,11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03



L157	999	367/69,81-83,86.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L158	660	703/10.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L159	3605	L155 L156 L157 L158	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L160	273	507/100.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L161	4222	L154 L160 L159	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L162	339	Oklahoma with (model formation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L163	216	chirp with (model formation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L164	28	(L162 L163) and L161	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L165	12	L164 and (@pd<"20001219" @ad<"20001219")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L166	1	"20040257240".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
L167	11	combin\$4 same output\$4 same averag\$4 same (depth point) same (borehole wellbore)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03

L168	1	combin\$4 same (neural neurons) same averag\$4 same (depth point) same (borehole wellbore)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
L169	42	combin\$4 same (neural neurons) same averag\$4 same (depth point borehole wellbore)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
L170	11	L169 and @ad<"20001219"	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
L171	21	((DINGDING) near2 (CHEN)).INV.	US-PGPUB; USPAT	OR	ON	2010/08/11 08:03
L172	12	((LUIS) near2 ("SAN MARTIN")).INV.	US-PGPUB; USPAT	OR	ON	2010/08/11 08:03
L173	33	((GULAMABBAS) near2 (MERCHANT)).INV.	US-PGPUB; USPAT	OR	ON	2010/08/11 08:03
L174	42	((ROBERT) near2 (STRIKLAND)).INV.	US-PGPUB; USPAT	OR	ON	2010/08/11 08:03
L175	2	((MARTIN) near2 (HAGAN)).INV.	US-PGPUB; USPAT	OR	ON	2010/08/11 08:03
L176	6660	hallburton.as.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
L177	2	(L171 L172 L173 L174 L175) and (chirp and oklahoma)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
L178	1	(L171 L172 L173 L174 L175) and (neural same (wellbore borehole) same (averag\$4 combin\$7))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
L179	1	(L176) and (chirp and oklahoma)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
L180	0	(L176) and (neural same (wellbore borehole) same (averag\$4 combin\$7))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
L181	2	L177 L178 L179 L180	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
L182	1	(L171 L172 L173 L174 L175) and (chirp and oklahoma and neural)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03

L183	0	(L176) and (chirp and oklahoma and neural)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
L184	1	L178 L180 L182 L183	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
L185	158	706/928-929,22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L186	1964	702/6-7,9,11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L187	999	367/81-83,86,69.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L188	660	703/10.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L189	273	507/100.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L190	3876	L185 L186 L187 L188 L189	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/11 08:03
L191	14	(neural same (wellbore borehole) same (averag\$4 combin\$7)) and L190	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
L192	0	(neural same chirp) and (neural same oklahoma) and L190	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
L193	4	(L191 L192) and @ad<"20001219"	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03

L194	0	(L9 L10 L11 L12 L18 L19 L20 L21 L22 L23 L25 L26 L27 L28 L29 L30 L31 L32 L33 L34 L35 L37 L39 L40 L41 L42 L43 L44 L45 L46 L47 L48 L49 L50 L51 L52 L53 L54 L55 L56 L57 L58 L59 L60 L61 L62 L63 L64 L65 L68 L69 L70 L71 L74 L77 L78 L81 L85 L87 L90 L91 L92 L93 L94 L95 L98 L99 L100 L101 L102 L103 L104 L105 L106 L110 L114 L115 L117 L120 L123 L125 L126 L127 L128 L129 L131 L132 L133 L134 L135 L138 L139 L141 L142 L143 L144 L145 L148 L152 L153 L164 L165 L166 L167 L168 L170 L171 L172 L173 L174 L175 L177 L178 L179 L181 L182 L184 L191 L193) and @ad< "20001219" and @pd> "20100401"	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/08/11 08:03
S1	4713286	well	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:40
S2	54344	logging	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:09
S3	49402	borehole	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:09
S4	154083	ANN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:09
S5	3794	artificial near2 neural near2 network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:09
S6	8573	chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:09

S7	14909	Oklahoma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:09
S8	1241	dip adj angle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:09
S9	1	S1 and S2 and S3 and S4 and S5 and S6 and S7 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:10
S10	9	((("5444619") or ("5862513") or ("5300770") or ("5345077") or ("6044325") or ("5828981") or ("5251286") or ("5883515") or ("6219619"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/03/10 10:11
S11	9	S10 and (S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:36
S12	0	S10 and chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:36
S13	4	S10 and neur\$2 not S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:46
S14	111	Oklahoma with formation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:49
S15	30	chirp with formation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:49
S16	62371	borehole or wellbore	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:48

S17	80968	(S16 or S1) with log\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:49
S18	259	Oklahoma with (formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:49
S19	132	chirp with (formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:50
S20	477	neur\$2 same S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:52
S21	1	S18 same S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:50
S22	1	S19 same S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:50
S23	1	S20 and (S18 or S19)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:50
S24	2	neur\$2 same (S18 or S19)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:51
S25	5	S17 same S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:55
S26	1	S17 same S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:52
S27	28	S17 same chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 11:00

S28	21	formation with model with realistic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 12:27
S29	121	706/928-929,22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 12:30
S30	9	S20 and S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 12:30
S31	1101	702/6-7,9,11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 12:41
S32	17	S20 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 12:41
S33	14	S32 not S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 14:07
S34	18	(US-5251286-\$ or US-5184079-\$ or US-5008845-\$ or US-5300770-\$ or US-6044325-\$ or US-6219619-\$ or US-5862513-\$ or US-5345077-\$ or US-5444619-\$ or US-5883515-\$ or US-5828981-\$ or US-5684693-\$ or US-5536938-\$ or US-6789620-\$ or US-5940777-\$ or US-6381542-\$ or US-6374185-\$).did. or (US-3311875-\$).did.	USPAT; USOCR	OR	ON	2006/03/13 14:57
S35	5	S34 and (Oklahoma or chirp)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 15:12
S36	4	S35 and (parameter or contrast or layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 15:23

S37	12	S34 and earth	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 15:23
S38	8	S37 and synth\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 15:23
S39	18	(US-5251286-\$ or US-5184079-\$ or US-5008845-\$ or US-5300770-\$ or US-6044325-\$ or US-6219619-\$ or US-5862513-\$ or US-5345077-\$ or US-5444619-\$ or US-5883515-\$ or US-5828981-\$ or US-5684693-\$ or US-5536938-\$ or US-6789620-\$ or US-5940777-\$ or US-6381542-\$ or US-6374185-\$).did. or (US-3311875-\$).did.	USPAT; USOCR	OR	ON	2006/03/13 16:14
S40	6	chirp same layer same contrast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 16:15
S41	11	Oklahoma same layer same contrast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 16:15
S42	1	S40 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 16:15
S43	16	S40 or S41 not S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 16:15
S44	1101	702/6-7,9,11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 16:18
S45	6	S44 and chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 16:23



S46	48	S44 and Oklahoma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 16:18
S47	3	S45 and S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 16:37
S48	3	S45 not S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 16:38
S49	45	S46 not S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 16:38
S50	22	(US-6789620-\$ or US-6381542-\$ or US-6374185-\$ or US-6219619-\$ or US-6044325-\$ or US-5828981-\$ or US-5940777-\$ or US-5883515-\$ or US-5862513-\$ or US-5345077-\$ or US-5684693-\$ or US-5536938-\$ or US-5444619-\$ or US-5300770-\$ or US-5251286-\$ or US-5184079-\$ or US-5008845-\$ or US-5867806-\$ or US-5210691-\$ or US-6606565-\$ or US-6304086-\$).did. or (US-3311875-\$). did.	USPAT; USOCR	OR	ON	2006/03/13 19:25
S51	19	S50 and (depth or deep)	USPAT; USOCR	OR	ON	2006/03/13 19:25
S52	17	S50 and ((averag\$3 or mean or combin\$3)	USPAT; USOCR	OR	ON	2006/03/13 19:26
S53	17	S51 and S52	USPAT; USOCR	OR	ON	2006/03/13 19:26
S54	11	S50 and ((averag\$3 or mean or combin\$3) same (deep or depth))	USPAT; USOCR	OR	ON	2006/03/13 20:00
S55	13	S50 and neur\$3	USPAT; USOCR	OR	ON	2006/03/13 20:01

S56	21	(US-6219619-\$ or US-5862513-\$ or US-6044325-\$ or US-5883515-\$ or US-5828981-\$ or US-5444619-\$ or US-5251286-\$ or US-5345077-\$ or US-5300770-\$ or US-6374185-\$ or US-5867806-\$ or US-5184079-\$ or US-5684693-\$ or US-5008845-\$ or US-5940777-\$ or US-5536938-\$ or US-6381542-\$ or US-6606565-\$ or US-6304086-\$ or US-5210691-\$).did. or (US-3311875-\$).did.	USPAT; USOCR	OR	ON	2006/03/14 10:42
S57	2	S56 and ((realistic or sensitivity or resolution) with (limit or range))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 12:11
S58	13	S56 and (realistic or sensitivity or resolution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 10:57
S59	20	S56 and (limit or range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 12:11
S60	1	S56 and ((realistic or sensitivity or resolution) with (bound))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 12:11
S61	20	S56 and (limit or range or bound)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 12:14
S62	21	S56 and (limit\$4 or rang\$4 or bound\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 12:15
S63	11	S56 and ((limit\$4 or rang\$4 or bound\$4) same (real\$7 or resol\$6 or sensit\$7))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 12:53
S64	21	S56 and (limit\$4 or rang\$4 or bound\$4 or real\$7 or resol\$6 or sensit\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:01

S65	19	S56 and (deep or depth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:05
S66	2	"5862513".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:05
S67	0	S66 and S65 and input and output and sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:06
S68	1	S66 and S65 and (input or output or sample)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:07
S69	1	S68 and (log\$4 or tool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:43
S70	0	S69 and average	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:13
S71	19	S56 and generat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:43
S72	17	S56 and (generat\$5 with (formation or model))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:44
S73	13	S56 and synth\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:44
S74	11	S72 and S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 15:55
S75	20	S56 and (combin\$5 or composite or averag\$5 or sum\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 15:56

S76	14	S56 and ((combin\$5 or composite or averag\$5 or sum\$5) same log\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 16:27
S77	216868	(combin\$5 or composite or averag\$5 or sum\$4) same log\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 18:02
S78	649	((combin\$5 with log\$4) or ((averag\$5 or sum\$4) with output) same log\$4)) same (composite with log\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 16:29
S79	31199	earth with (parameter or formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 16:30
S80	17	S78 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 16:30
S81	24	((US-6219619-\$ or US-5862513-\$ or US-6044325-\$ or US-5883515-\$ or US-5828981-\$ or US-5444619-\$ or US-5251286-\$ or US-5345077-\$ or US-5300770-\$ or US-6374185-\$ or US-5867806-\$ or US-5184079-\$ or US-5684693-\$ or US-5008845-\$ or US-5940777-\$ or US-5536938-\$ or US-6381542-\$ or US-6606565-\$ or US-6304086-\$ or US-5210691-\$ or US-3954006-\$ or US-3784828-\$).did. or (US-3311875-\$ or US-2836359-\$).did.	USPAT; USOCR	OR	ON	2006/03/14 17:16
S82	7	S81 and (transmit\$5 same receiv\$4 same pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 17:37
S83	12	S81 and transmit\$5 and receiv\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 17:17

S84	123266	transmit\$5 same receiv\$4 same pair	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 17:37
S85	289	log\$4 same synthetic same response	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 17:38
S86	4	S84 same S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 17:38
S87	138046	log\$4 same response	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 17:38
S88	1199	S84 same S87	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 17:38
S89	10	S88 and neur\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 17:39
S90	0	"each depth point"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 18:00
S91	0	each with depth with point with (borehole or wellbore)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 18:00
S92	1	each with depth with point	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 18:00
S93	233	each with (depth or point)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 18:01
S94	62401	borehole or wellbore	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 18:01

S95	1	S93 same S94	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 18:01
S96	216868	(combin\$5 or composite or averag\$5 or sum\$4) same log\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 18:02
S97	32161	S96 same (deep or depth or point)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 18:06
S98	1976	S97 and S94	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 18:03
S99	1190	S97 same S94	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 19:26
S100	17	S99 and neur\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 18:06
S101	310	S99 same (deep or depth) same point	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 18:06
S102	5	S100 and S101	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 19:06
S103	57898	in\$1phase or (in adj phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 19:06
S104	81181	quadrature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 19:06

S105	24	(US-6606565-\$ or US-6381542-\$ or US-6374185-\$ or US-6219619-\$ or US-6304086-\$ or US-6044325-\$ or US-5883515-\$ or US-5940777-\$ or US-5867806-\$ or US-5862513-\$ or US-5828981-\$ or US-5684693-\$ or US-5536938-\$ or US-5345077-\$ or US-5444619-\$ or US-5300770-\$ or US-5210691-\$ or US-5251286-\$ or US-5184079-\$ or US-5008845-\$ or US-3954006-\$ or US-3784828-\$).did. or (US-3311875-\$ or US-2836359-\$).did.	USPAT; USOCR	OR	ON	2006/03/14 19:10
S106	4	S105 and S104 and S103	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 19:13
S107	4	S106 and induction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 19:12
S108	3	S105 and (S103 same S104 same induction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 19:24
S109	11	S105 and induction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 19:28
S110	5	S99 and S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 19:26
S111	259	Oklahoma with (formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 12:56
S112	132	chirp with (formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 12:56

S113	2	S112 same (layer with thick \$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:00
S114	1	S112 same (parameter with contrast)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:00
S115	1	S112 same (tool with range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 12:58
S116	2	S113 or S114 or S115	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 12:59
S117	1	S111 same (layer with thick \$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 12:57
S118	1	S111 same (parameter with contrast)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 12:58
S119	1	S111 same (tool with range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:00
S120	1	S117 or S118 or S119	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 12:59
S121	2	S116 or S120	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 12:58
S122	757624	layer with thick\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:00
S123	9261	parameter with contrast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:00



S124	29886	tool with range	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:00
S125	1	S122 same S123 same S124	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:01
S126	21	S122 and S123 and S124	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:03
S127	53	contrast same layer same realistic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:08
S128	1155	702/6-7,9-11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:04
S129	818	367/81-83,86,69.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:05
S130	240	703/10.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:05
S131	0	S127 and (S128 or S129 or S130)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:05
S132	23	S111 and (S128 or S129 or S130)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:08
S133	1	S112 and (S128 or S129 or S130)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:36
S134	16967	ma.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:36

S135	2	S134 and (S128 or S129 or S130)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:37
S136	59	ferris-fred.xp. or ferris-fred.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:44
S137	231	jones-hugh.xp. or jones-hugh.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:44
S138	1	(S136 or S137) and drill and simulator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:48
S139	1411	ferris.xp. or ferris.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:44
S140	21130	jones.xp. or jones.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:44
S141	2	(S139 or S140) and drill and simulator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:44
S142	58	(S139 or S140) and drill\$5 and simulat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:48
S143	3	S142 and ma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:45
S144	23	(S136 or S137) and ma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:45
S145	0	(S136 or S137) and S134	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 13:48

S146	17	(S139 or S140) and S134	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 14:06
S147	2	"5867806".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 14:06
S148	1	S147 and Oklahoma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 14:06
S149	1	S147 and chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:00
S150	88	(induction with logging) same sensitivity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:02
S151	2	(induction with logging) same (sensitivity with minimum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:01
S152	1	S150 same chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:02
S153	24	(US-6219619-\$ or US- 6044325-\$ or US-5883515-\$ or US-5828981-\$ or US- 5862513-\$ or US-5300770-\$ or US-5444619-\$ or US- 5345077-\$ or US-5251286-\$ or US-5184079-\$ or US- 5008845-\$ or US-6606565-\$ or US-3954006-\$ or US- 3784828-\$ or US-5684693-\$ or US-5536938-\$ or US- 5940777-\$ or US-6381542-\$ or US-6374185-\$ or US- 5867806-\$ or US-6304086-\$ or US-5210691-\$).did. or (US-2836359-\$ or US- 3311875-\$).did.	USPAT; USOCR	OR	ON	2006/03/15 16:02

S154	2	S153 and ("10:1" or "100:1" or "10,000:1" or "10000:1")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:22
S155	3	S153 and (contrast with("1" or "10" or "100" or "10000" or "10,000"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:17
S156	100791	"10:1" or "100:1" or "10,000:1" or "10000:1"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:23
S157	0	"10 to 1" or "100 to 1" or "10,000 to 1" or "10000 to 1"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:22
S158	99938	"10:1" or "100:1" or (("10" or "100") adj to adj "1")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:25
S159	2158	"10000:1" or "10,000:1" or (("10,000" or "10000") adj to adj "1")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:24
S160	1961	("10:1" or "100:1" or (("10" or "100") adj to adj "1")) same contrast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:26
S161	2149	S128 or S129 or S130	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:27
S162	4	S160 and S161	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:30
S163	23	S159 same sensitivity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:30
S164	0	S159 same sensitivity52 and S163	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:30

S165	2	"5862513".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 18:16
S166	64547	borehole or wellbore	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 18:17
S167	14671	S166 and (moving rolling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 18:17
S168	319	S166 and ((moving rolling) with average)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 18:18
S169	21	S166 and ((moving rolling) with average with depth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 18:18
S170	17	S169 and ((@pd<"20001219" @ad<"20001219")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 18:58
S171	2	"3954006".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 18:58
S172	1	S171 and (combin\$4 same (depth interval))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 19:01
S173	1	S171 and (average mean)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 19:01
S174	121	706/928-929,22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:28
S175	1167	702/6-7,9,11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:29

S176	836	367/69,81-83,86.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:29
S177	279	703/10.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:29
S178	2322	S174 S175 S176 S177	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:29
S179	159	Oklahoma with model	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:30
S180	117	chirp with model	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:30
S181	1	S179 and S180	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:30
S182	272	Oklahoma with (model formation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:30
S183	147	chirp with (model formation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:30
S184	417	S182 S183	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:30
S185	2	S182 and S183	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:31
S186	30	(neur\$4 ANN) and S184	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:32

S187	2	(neur\$4 ANN) same S184	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:31
S188	279	166/254.2.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:43
S189	121	706/928-929,22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:41
S190	1167	702/6-7,9,11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:41
S191	836	367/69,81-83,86.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:41
S192	279	703/10.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:41
S193	2322	S189 S190 S191 S192	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:41
S194	242	507/100.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:43
S195	2837	S188 S194 S193	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:44
S196	1792	(wellbore borehole) and S195	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:44
S197	272	Oklahoma with (model formation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:45

S198	147	chirp with (model formation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:45
S199	24	(S197 S198) and S195	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:45
S200	196	neur\$4 and S195	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:45
S201	0	S198 and S200	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:45
S202	12	S199 and (@pd<"20001219" @ad<"20001219")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 22:46
S203	6176794	well	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S204	95099	logging	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S205	63041	borehole	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S206	213197	ANN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S207	6904	artificial near2 neural near2 network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S208	13369	chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56



S209	18853	Oklahoma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S210	1751	dip adj angle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S211	1	S203 and S204 and S205 and S206 and S207 and S208 and S209 and S210	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S212	9	((("5444619") or ("5862513") or ("5300770") or ("5345077") or ("6044325") or ("5828981") or ("5251286") or ("5883515") or ("6219619")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/04/06 11:56
S213	9	S212 and (S203 or S204 or S205 or S206 or S207 or S208 or S209 or S210)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S214	0	S212 and chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S215	4	S212 and neur\$2 not S207	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S216	148	Oklahoma with formation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S217	47	chirp with formation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S218	84406	borehole or wellbore	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S219	124306	(S218 or S203) with log\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S220	332	Oklahoma with (formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S221	208	chirp with (formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S222	1247	neur\$2 same S219	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S223	1	S220 same S222	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S224	1	S221 same S222	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S225	2	S222 and (S220 or S221)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S226	3	neur\$2 same (S220 or S221)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S227	7	S219 same S220	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S228	1	S219 same S221	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S229	32	S219 same chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S230	31	formation with model with realistic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S231	156	706/928-929,22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S232	10	S222 and S231	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S233	1886	702/6-7,9,11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S234	35	S222 and S233	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S235	32	S234 not S232	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S236	17	(US-5251286-\$ or US-5184079-\$ or US-5008845-\$ or US-5300770-\$ or US-6044325-\$ or US-6219619-\$ or US-5862513-\$ or US-5345077-\$ or US-5444619-\$ or US-5883515-\$ or US-5828981-\$ or US-5684693-\$ or US-5536938-\$ or US-6789620-\$ or US-5940777-\$ or US-6381542-\$ or US-6374185-\$).did. or (US-3311875-\$).did.	USPAT; USOCR	OR	ON	2010/04/06 11:56
S237	5	S236 and (Oklahoma or chirp)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S238	4	S237 and (parameter or contrast or layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S239	11	S236 and earth	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S240	8	S239 and synth\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S241	17	(US-5251286-\$ or US-5184079-\$ or US-5008845-\$ or US-5300770-\$ or US-6044325-\$ or US-6219619-\$ or US-5862513-\$ or US-5345077-\$ or US-5444619-\$ or US-5883515-\$ or US-5828981-\$ or US-5684693-\$ or US-5536938-\$ or US-6789620-\$ or US-5940777-\$ or US-6381542-\$ or US-6374185-\$).did. or (US-3311875-\$).did.	USPAT; USOCR	OR	ON	2010/04/06 11:56
S242	7	chirp same layer same contrast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S243	11	Oklahoma same layer same contrast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S244	1	S242 and S243	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S245	17	S242 or S243 not S244	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S246	1886	702/6-7,9,11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S247	8	S246 and chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S248	65	S246 and Oklahoma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S249	3	S247 and S248	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S250	5	S247 not S249	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S251	62	S248 not S249	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S252	20	(US-6789620-\$ or US-6381542-\$ or US-6374185-\$ or US-6219619-\$ or US-6044325-\$ or US-5828981-\$ or US-5940777-\$ or US-5883515-\$ or US-5862513-\$ or US-5345077-\$ or US-5684693-\$ or US-5536938-\$ or US-5444619-\$ or US-5300770-\$ or US-5251286-\$ or US-5184079-\$ or US-5008845-\$ or US-5867806-\$ or US-5210691-\$ or US-6606565-\$ or US-6304086-\$).did. or (US-3311875-\$). did.	USPAT; USOCR	OR	ON	2010/04/06 11:56
S253	18	S252 and (depth or deep)	USPAT; USOCR	OR	ON	2010/04/06 11:56
S254	16	S252 and (averag\$3 or mean or combin\$3)	USPAT; USOCR	OR	ON	2010/04/06 11:56
S255	16	S253 and S254	USPAT; USOCR	OR	ON	2010/04/06 11:56
S256	10	S252 and ((averag\$3 or mean or combin\$3) same (deep or depth))	USPAT; USOCR	OR	ON	2010/04/06 11:56
S257	12	S252 and neur\$3	USPAT; USOCR	OR	ON	2010/04/06 11:56

S258	20	(US-6219619-\$ or US-5862513-\$ or US-6044325-\$ or US-5883515-\$ or US-5828981-\$ or US-5444619-\$ or US-5251286-\$ or US-5345077-\$ or US-5300770-\$ or US-6374185-\$ or US-5867806-\$ or US-5184079-\$ or US-5684693-\$ or US-5008845-\$ or US-5940777-\$ or US-5536938-\$ or US-6381542-\$ or US-6606565-\$ or US-6304086-\$ or US-5210691-\$).did. or (US-3311875-\$).did.	USPAT; USOCR	OR	ON	2010/04/06 11:56
S259	2	S258 and ((realistic or sensitivity or resolution) with (limit or range))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S260	12	S258 and (realistic or sensitivity or resolution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S261	19	S258 and (limit or range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S262	1	S258 and ((realistic or sensitivity or resolution) with (bound))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S263	19	S258 and (limit or range or bound)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S264	20	S258 and ((limit\$4 or rang\$4 or bound\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S265	10	S258 and ((limit\$4 or rang\$4 or bound\$4) same (real\$7 or resol\$6 or sensit\$7))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S266	20	S258 and ((limit\$4 or rang\$4 or bound\$4 or real\$7 or resol\$6 or sensit\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S267	18	S258 and (deep or depth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S268	2	"5862513".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S269	0	S268 and S267 and input and output and sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S270	1	S268 and S267 and (input or output or sample)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S271	1	S270 and (log\$4 or tool)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S272	0	S271 and average	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S273	18	S258 and generat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S274	16	S258 and (generat\$5 with (formation or model))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S275	12	S258 and synth\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S276	10	S274 and S275	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S277	19	S258 and (combin\$5 or composite or averag\$5 or sum\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S278	13	S258 and ((combin\$5 or composite or averag\$5 or sum\$5) same log\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S279	353337	(combin\$5 or composite or averag\$5 or sum\$4) same log\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S280	911	((combin\$5 with log\$4) or (((averag\$5 or sum\$4) with output) same log\$4)) same (composite with log\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S281	39945	earth with (parameter or formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S282	20	S280 and S281	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S283	23	(US-6219619-\$ or US-5862513-\$ or US-6044325-\$ or US-5883515-\$ or US-5828981-\$ or US-5444619-\$ or US-5251286-\$ or US-5345077-\$ or US-5300770-\$ or US-6374185-\$ or US-5867806-\$ or US-5184079-\$ or US-5684693-\$ or US-5008845-\$ or US-5940777-\$ or US-5536938-\$ or US-6381542-\$ or US-6606565-\$ or US-6304086-\$ or US-5210691-\$ or US-3954006-\$ or US-3784828-\$).did. or (US-3311875-\$ or US-2836359-\$).did.	USPAT; USOCR	OR	ON	2010/04/06 11:56
S284	6	S283 and (transmit\$5 same receiv\$4 same pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S285	11	S283 and transmit\$5 and receiv\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56



S286	148352	transmit\$5 same receiv\$4 same pair	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S287	472	log\$4 same synthetic same response	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S288	6	S286 same S287	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S289	214919	log\$4 same response	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S290	1442	S286 same S289	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S291	23	S290 and neur\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S292	0	"each depth point"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S293	0	each with depth with point with (borehole or wellbore)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S294	1	each with depth with point	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S295	233	each with (depth or point)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S296	84406	borehole or wellbore	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S297	1	S295 same S296	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S298	353337	(combin\$5 or composite or averag\$5 or sum\$4) same log\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S299	44161	S298 same (deep or depth or point)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S300	2462	S299 and S296	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S301	1411	S299 same S296	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S302	27	S301 and neur\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S303	334	S301 same (deep or depth) same point	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S304	7	S302 and S303	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S305	86000	in\$1phase or (in adj phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S306	125096	quadrature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S307	23	(US-6606565-\$ or US-6381542-\$ or US-6374185-\$ or US-6219619-\$ or US-6304086-\$ or US-6044325-\$ or US-5883515-\$ or US-5940777-\$ or US-5867806-\$ or US-5862513-\$ or US-5828981-\$ or US-5684693-\$ or US-5536938-\$ or US-5345077-\$ or US-5444619-\$ or US-5300770-\$ or US-5210691-\$ or US-5251286-\$ or US-5184079-\$ or US-5008845-\$ or US-3954006-\$ or US-3784828-\$).did. or (US-3311875-\$ or US-2836359-\$).did.	USPAT; USOCR	OR	ON	2010/04/06 11:56
S308	3	S307 and S306 and S305	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S309	3	S308 and induction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S310	3	S307 and (S305 same S306 same induction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S311	10	S307 and induction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S312	4	S301 and S307	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S313	332	Oklahoma with (formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S314	208	chirp with (formation or model)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S315	2	S314 same (layer with thick \$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S316	1	S314 same (parameter with contrast)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S317	1	S314 same (tool with range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S318	2	S315 or S316 or S317	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S319	1	S313 same (layer with thick \$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S320	1	S313 same (parameter with contrast)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S321	1	S313 same (tool with range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S322	1	S319 or S320 or S321	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S323	2	S318 or S322	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S324	1065870	layer with thick\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S325	16841	parameter with contrast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S326	41707	tool with range	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S327	1	S324 same S325 same S326	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S328	70	S324 and S325 and S326	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S329	74	contrast same layer same realistic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S330	1953	702/6-7,9-11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S331	982	367/81-83,86,69.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S332	611	703/10.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S333	0	S329 and (S330 or S331 or S332)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S334	25	S313 and (S330 or S331 or S332)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S335	1	S314 and (S330 or S331 or S332)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S336	54140	ma.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S337	5	S336 and (S330 or S331 or S332)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S338	161	ferris-fred.xp. or ferris-fred.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S339	393	jones-hugh.xp. or jones-hugh.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S340	3	(S338 or S339) and drill and simulator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S341	1694	ferris.xp. or ferris.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S342	23523	jones.xp. or jones.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S343	4	(S341 or S342) and drill and simulator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S344	81	(S341 or S342) and drill\$5 and simulat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S345	6	S344 and ma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S346	44	(S338 or S339) and ma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S347	0	(S338 or S339) and S336	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S348	18	(S341 or S342) and S336	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S349	2	"5867806".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S350	1	S349 and Oklahoma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S351	1	S349 and chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S352	143	(induction with logging) same sensitivity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S353	3	(induction with logging) same (sensitivity with minimum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S354	1	S352 same chirp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S355	23	(US-6219619-\$ or US- 6044325-\$ or US-5883515-\$ or US-5828981-\$ or US- 5862513-\$ or US-5300770-\$ or US-5444619-\$ or US- 5345077-\$ or US-5251286-\$ or US-5184079-\$ or US- 5008845-\$ or US-6606565-\$ or US-3954006-\$ or US- 3784828-\$ or US-5684693-\$ or US-5536938-\$ or US- 5940777-\$ or US-6381542-\$ or US-6374185-\$ or US- 5867806-\$ or US-6304086-\$ or US-5210691-\$).did. or (US-2836359-\$ or US- 3311875-\$).did.	USPAT; USOCR	OR	ON	2010/04/06 11:56

S356	2	S355 and ("10:1" or "100:1" or "10,000:1" or "10000:1")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S357	3	S355 and (contrast with("1" or "10" or "100" or "10000" or "10,000"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S358	143638	"10:1" or "100:1" or "10,000:1" or "10000:1"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S359	0	"10 to 1" or "100 to 1" or "10,000 to 1" or "10000 to 1"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S360	142312	"10:1" or "100:1" or (("10" or "100") adj to adj "1")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S361	3265	"10000:1" or "10,000:1" or (("10,000" or "10000") adj to adj "1")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S362	2709	("10:1" or "100:1" or ("10" or "100") adj to adj "1")) same contrast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S363	3383	S330 or S331 or S332	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S364	4	S362 and S363	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S365	31	S361 same sensitivity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S366	0	S361 same sensitivity52 and S365	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56



S367	2	"5862513".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S368	84406	borehole or wellbore	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S369	20281	S368 and (moving rolling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S370	385	S368 and ((moving rolling) with average)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S371	24	S368 and ((moving rolling) with average with depth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S372	17	S371 and ((@pd< "20001219" @ad< "20001219")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S373	3	"3954006".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S374	1	S373 and (combin\$4 same (depth interval))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S375	1	S373 and (average mean)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S376	156	706/928-929,22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S377	1886	702/6-7,9,11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S378	982	367/69,81-83,86.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S379	611	703/10.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S380	3466	S376 S377 S378 S379	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S381	188	Oklahoma with model	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S382	163	chirp with model	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S383	1	S381 and S382	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S384	332	Oklahoma with (model formation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S385	208	chirp with (model formation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S386	538	S384 S385	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S387	2	S384 and S385	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S388	45	(neur\$4 ANN) and S386	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S389	5	(neur\$4 ANN) same S386	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S390	348	166/254.2.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S391	156	706/928-929,22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S392	1886	702/6-7,9,11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S393	982	367/69,81-83,86.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S394	611	703/10.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S395	3466	S391 S392 S393 S394	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S396	267	507/100.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S397	4069	S390 S396 S395	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S398	2695	(wellbore borehole) and S397	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S399	332	Oklahoma with (model formation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56

S400	208	chirp with (model formation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S401	26	(S399 S400) and S397	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S402	310	neur\$4 and S397	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S403	0	S400 and S402	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S404	12	S401 and (@pd<"20001219" @ad<"20001219")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/06 11:56
S405	0	(S216 S217) and @ad<"20001219" and @pd>"20090301"	US-PGPUB; USPAT; FFRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/06 13:31
S406	0	(S217 S225 S234 S239 S241 S242 S243 S248 S253 S254 S255 S261 S268 S275 S277 S302 S304 S315 S316 S317 S319 S320 S321 S334 S344 S349 S367 S371 S373 S211 S212 S213 S215 S223 S224 S226 S227 S228 S229 S230 S232 S235 S236 S237 S238 S240 S244 S245 S247 S249 S250 S251 S252 S256 S257 S258 S259 S260 S262 S263 S264 S265 S266 S267 S270 S271 S273 S274 S276 S278 S282 S283 S284 S285 S288 S291 S294 S297 S307 S308 S309 S310 S311 S312 S318 S322 S323 S327 S328 S329 S335 S337 S340 S343 S345 S346 S348 S350 S351 S353 S354 S355 S356 S357 S364 S365 S372 S374 S375 S383 S387 S388 S389 S401 S404) and @ad<"20001219" and @pd>"20090301"	US-PGPUB; USPAT; FFRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/06 13:35

S407	1	"20040257240".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/06 13:52
S408	1	S407 and (chirp Oklahoma)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/06 13:53
S409	1	S407 and (combin\$4 same output\$4 same averag\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/06 14:00
S410	1	S407 and (combin\$4 same averag\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/06 14:01
S411	1	S407 and (combin\$4 same output\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/06 14:02
S412	1	S407 and (averag\$5 same depth)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/06 14:03
S413	1	S407 and (averag\$5 same point)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/06 14:04
S414	1	S407 and (averag\$5 same borehole)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/06 14:04
S415	10	combin\$4 same output\$4 same averag\$4 same (depth point) same (borehole wellbore)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 11:54
S416	1	combin\$4 same (neural neurons) same averag\$4 same (depth point) same (borehole wellbore)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 11:56
S417	39	combin\$4 same (neural neurons) same averag\$4 same (depth point borehole wellbore)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 11:56
S418	11	S417 and @ad<"20001219"	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 11:56
S419	21	((DINGDING) near2 (CHEN)).INV.	US-PGPUB; USPAT	OR	ON	2010/04/07 12:03
S420	11	((LUI\$) near2 ("SAN MARTIN")).INV.	US-PGPUB; USPAT	OR	ON	2010/04/07 12:03
S421	33	((GULAMABBAS) near2 (MERCHANT)).INV.	US-PGPUB; USPAT	OR	ON	2010/04/07 12:03

S422	42	((ROBERT) near2 (STRI CKLAND)).INV.	US-PGPUB; USPAT	OR	ON	2010/04/07 12:03
S423	2	((MARTIN) near2 (HAGAN)). INV.	US-PGPUB; USPAT	OR	ON	2010/04/07 12:03
S424	6501	halliburton.as.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 12:04
S425	2	(S419 S420 S421 S422 S423) and (chirp and oklahoma)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 12:05
S426	1	(S419 S420 S421 S422 S423) and (neural same (wellbore borehole) same (averag\$4 combin\$7))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 12:06
S427	1	(S424) and (chirp and oklahoma)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 12:06
S428	0	(S424) and (neural same (wellbore borehole) same (averag\$4 combin\$7))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 12:07
S429	2	S425 S426 S427 S428	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 12:07
S430	1	(S419 S420 S421 S422 S423) and (chirp and oklahoma and neural)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 12:08
S431	0	(S424) and (chirp and oklahoma and neural)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 12:09
S432	1	S426 S428 S430 S431	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 12:09
S433	156	706/928-929,22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 12:11
S434	1886	702/6-7,9,11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 12:11

S435	982	367/81-83,86,69.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 12:11
S436	611	703/10.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 12:11
S437	267	507/100.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 12:12
S438	3732	S433 S434 S435 S436 S437	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/07 12:13
S439	14	(neural same (wellbore borehole) same (averag\$4 combin\$7)) and S438	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 12:14
S440	0	(neural same chirp) and (neural same oklahoma) and S438	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 12:15
S441	4	(S439 S440) and @ad< "20001219"	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 12:18
S452	1008	250/253-256.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 14:58
S453	349	324/351-352,366.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 14:59
S454	0	(neural same (wellbore borehole) same (averag\$4 combin\$7)) and (S452 S453)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 14:59
S455	0	(neural same chirp) and (neural same oklahoma) and (S452 S453)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2010/04/07 15:00

## EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L195	1	(neural same (wellbore borehole) same (averag\$4 combin\$7)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L196	1	(chirp and oklahoma and neural).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L197	158	706/928-929,22.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L198	1899	702/6-7,9,11.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L199	858	367/81-83,86,69.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L200	644	703/10.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L201	235	507/100.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L202	3618	L197 L198 L199 L200 L201	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L203	0	(neural same chirp) and (neural same oklahoma) and L202	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L204	14	(neural same (wellbore borehole) same (averag\$4 combin\$7)) and L202	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L205	962	250/253-256.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L206	334	324/351-352,366.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L207	0	(neural same (wellbore borehole) same (averag\$4 combin\$7)) and (L205 L206)	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L208	0	(neural same chirp) and (neural same oklahoma) and (L205 L206)	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L209	275	(L195 L196 L197 L198 L199 L200 L201 L202 L203 L204 L205 L206 L207 L208) and @pd> "20100101"	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:06
L211	0	(195 196 203 204 207 208) and (197 198 199 200 201 205 206) and @pd> "20100101"	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:18
L212	0	(195 196 203 204 207 208) and @pd> "20100101"	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/11 08:18



S442	1	(neural same (wellbore borehole) same (averag\$4 combin\$7)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/04/07 12:09
S443	1	(chirp and oklahoma and neural).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/04/07 12:10
S444	156	706/928-929,22.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/04/07 12:13
S445	1841	702/6-7,9,11.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/04/07 12:13
S446	844	367/81-83,86,69.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/04/07 12:13
S447	598	703/10.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/04/07 12:13
S448	229	507/100.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/04/07 12:13
S449	3500	S444 S445 S446 S447 S448	US-PGPUB; USPAT; UPAD	OR	ON	2010/04/07 12:23
S450	0	(neural same chirp) and (neural same oklahoma) and S449	US-PGPUB; USPAT; UPAD	OR	ON	2010/04/07 12:23
S451	14	(neural same (wellbore borehole) same (averag\$4 combin\$7)) and S449	US-PGPUB; USPAT; UPAD	OR	ON	2010/04/07 12:23
S456	950	250/253-256.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/04/07 15:00
S457	329	324/351-352,366.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/04/07 15:00
S458	0	(neural same (wellbore borehole) same (averag\$4 combin\$7)) and (S456 S457)	US-PGPUB; USPAT; UPAD	OR	ON	2010/04/07 15:01
S459	0	(neural same chirp) and (neural same oklahoma) and (S456 S457)	US-PGPUB; USPAT; UPAD	OR	ON	2010/04/07 15:01

8/11/2010 8:19:16 AM

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